Pat. App. Not known - US phase of PCT/AT2004/000418 Atty's 23638 CLAIM AMENDMENTS (currently amended) A method for the thermal 1 treatment of powder paints of any shade applied to substrates for 2 the preparation of a coating on the substrates using IR radiation, 3 characterized in that the powder paint applied to the substrate is irradiated with medium- and/or long-wave IR radiation, and that the 5 powder paint contains additives with the characteristic of 6 absorbing medium- and/or long-wave IR radiation, and that the 7 powder paint which has been thermally treated with medium- and/or 8 long-wave IR radiation is optionally subjected to further treatment 9 with electron or UV radiation. 10 The method according to claim 1, (currently amended) characterized in that the powder paint is irradiated with a medium-2 and/or long-wave IR radiation with a wavelength range of 2 to 3 12 gm. 4 (currently amended) The method according to claim 1 3. 1 [[or 2]], characterized in that the medium- and/or long-wave IR 2 radiation has a maximum radiation flux density at wavelengths of 3 > 2.0 gm.The method according to claim 3, (currently amended) 1 characterized in that the maximum radiation flux density of the 2

Pat. App. Not known - US phase of PCT/AT2004/000418 Atty's 23638 medium- and/or long-wave IR radiation is at wavelengths in the 3 range of 2.0 to 9.0 gm, especially preferably between 2.0 and 6 gm. (currently amended) The method according to one of 1 claims claim 1 [[to 4]], characterized in that the additive with 2 the characteristic of absorbing medium- and/or long-wave IR 3 radiation which is contained in the powder paint is antimony tin oxide and/or indium tin oxide. 5 (currently amended) The method according to one of 6. 1 claims claim 1 [[to 4]], characterized in that the additive with 2 the characteristic of absorbing medium- and/or long-wave IR 3 radiation which is contained in the powder paint is zinc antimonate, vanadium oxide, tin oxide. **5** · (currently amended) The method according to one of 7. 1 claims claim 1 [[to 4]], characterized in that the additives with 2 the characteristic of absorbing medium- and/or long-wave IR 3 radiation which are contained in the powder paint are C nanotubes and/or C nanofibers. 5 (currently amended) The method according to claim 7, 8. 1 characterized in that the C nanotubes and/or C nanofibers are 2 contained in a quantity in the range of 0.01 wt.% with respect to 3 the total powder paint formulation.

Pat. App. Not known - US phase of PCT/AT2004/000418 Atty's 23638 (currently amended) The method according to one of 9. claims claim 1 [[to 4]], characterized in that the additives with 2 the characteristic of absorbing medium- and/or long-wave IR 3 radiation which are contained in the powder paint are rare-earth metals and/or oxides of the rare-earth metals or mixtures thereof. 5 (currently amended) The method according to claim 10. 1 9, characterized in that ytterbium oxide and/or neodymium oxide are 2 contained in the powder paint as additives with the characteristic 3 of absorbing medium- and/or long-wave IR radiation. (currently amended) The method according to claim 11. 1 10, characterized in that ytterbium oxide and/or neodymium oxide 2 are contained in the powder paint in a quantity of 2.5 wt.% each . 3 with respect to the total powder paint formulation. (currently amended) The method according to one of 12. 1 claims claim 1 [[to 4]], characterized in that the additives with 2. the characteristic of absorbing medium- and/or long-wave IR 3 radiation which are contained in the powder paint are organic substances with a component of hydroxyl groups which is at least 5 0.5 hydroxyl groups per C atom. 6

Pat. App. Not known - US phase of PCT/AT2004/000418 Atty's 23638 (currently amended) The method according to claim 13. 1 12, characterized in that the organic substances are carbohydrates 2 such as cellulose fibers or powder, starch, lactose. 3 (currently amended) The method according to claim 14. 1 12, characterized in that the organic substances are polyalcohols 2 such as pentaerythrite, di-pentaerythrite. 3 (currently amended) The method according to one of 15. 1 claims claim 1 [[to 14]], characterized in that the substrate on 2 which the applied powder paint is irradiated with medium- and/or 3 long-wave IR radiation is three-dimensional. The method according to one of (currently amended) 16. 1 claims claim 1 [[to 15]], characterized in that the substrate on 2 which the applied powder paint is irradiated with medium- and/or 3 long-wave IR radiation is made of thermally insulating material with a thermal conductivity of between 0.05 and 5 W/mK. 5 17. (currently amended) The method according to one of 1 claims claim 1 [[to 16]], characterized in that the substrate on 2 which the applied powder paint is irradiated with medium- and/or 3 long-wave IR radiation is made of heat-sensitive material.